

**ABSTRACT**

A method of transmitting information over a feed back channel of a communication system that has multiple antenna systems is provided. Long term channel condition information is obtained from received measured and/or calculated channel parameter values. The obtained long term channel condition information is arranged in a particular manner and transmitted over a defined time period during which the long term channel condition information varies relatively slowly. Because the long term information remains relatively constant for one or more defined time periods, the amount of bandwidth needed to communicate this value is small because it need only be communicated occasionally. Thus only a small bandwidth needs to be allocated for transmitting this long term information.